



ALKASOL 400

Alkali buffer for Reactive Dyeing

Characteristic : Inorganic buffer .

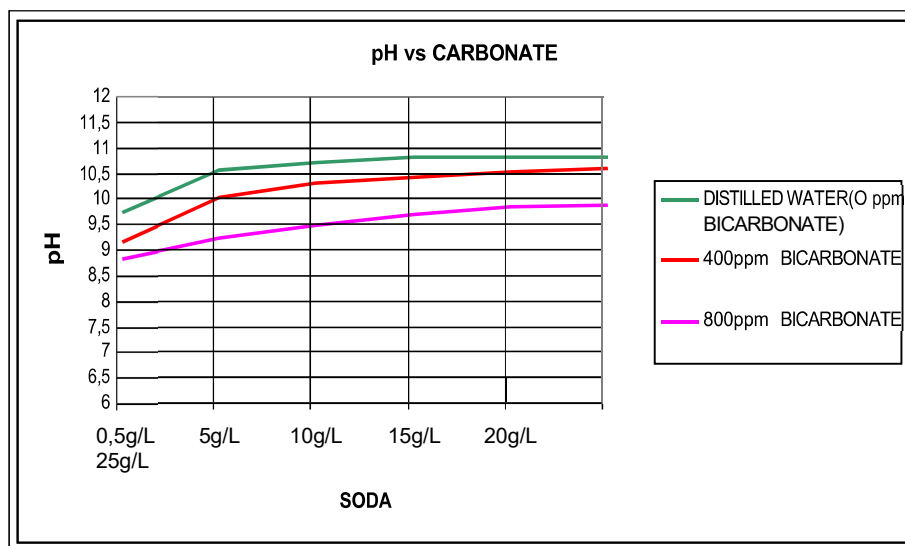
Appearance : White granular

powder. **Properties** :

ALKASOL 400, is used for the specific pH control during reactive dyeing. It can applied in all kinds of color (Any Reactive dyes of light, medium and deep shade) and also can be applied for white And sulphur color to replace alkali sodaash.

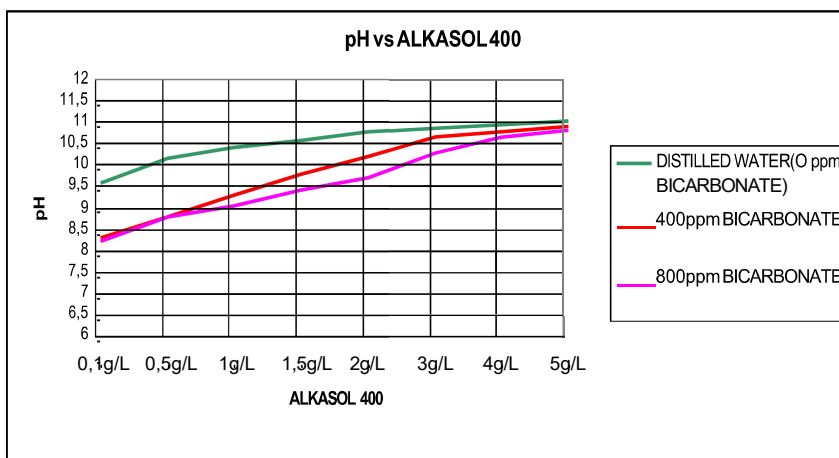
Since underground water contains bicarbonate between 150 - 500 ppm level, sodium carbonate buffers with bicarbonate and pH never rises above 10,2 and hence, dye yield will decline, and repeatability of shade never achieved.

Besides that, due to rain season, bicarbonate level fluctuates in underground water and so final pH approached will also vary and hence recipe yield change.



Whereas, **ALKASOL 400**, is developed to overcome the deficiency of carbonate in bicarbonate containing water. It ensures stable pH approach at the end of dyeing around $11 \pm$.



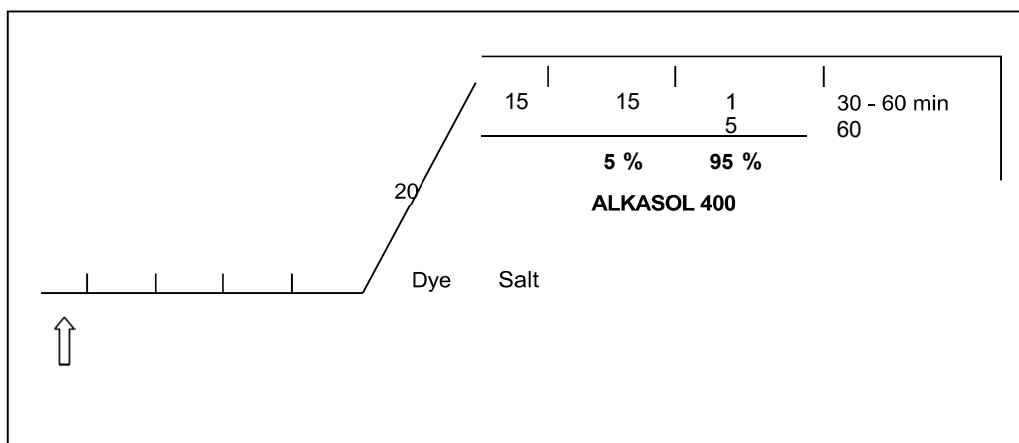


Besides its superiority of final level of pH, **ALKASOL 400**, buffers the pH the beginning of dyeing, causing to increase very slowly compared to carbonate. Hence leveling of reactive dyeing is more likely.

pH : 11±

Application :

ALKASOL 400 is dissolved in cold water in long ratio and dosed into dyeing machine, 30 - 45 min after dye-salt addition time & it will be used 1/4 of soda ash existing lab recipe.





Note:

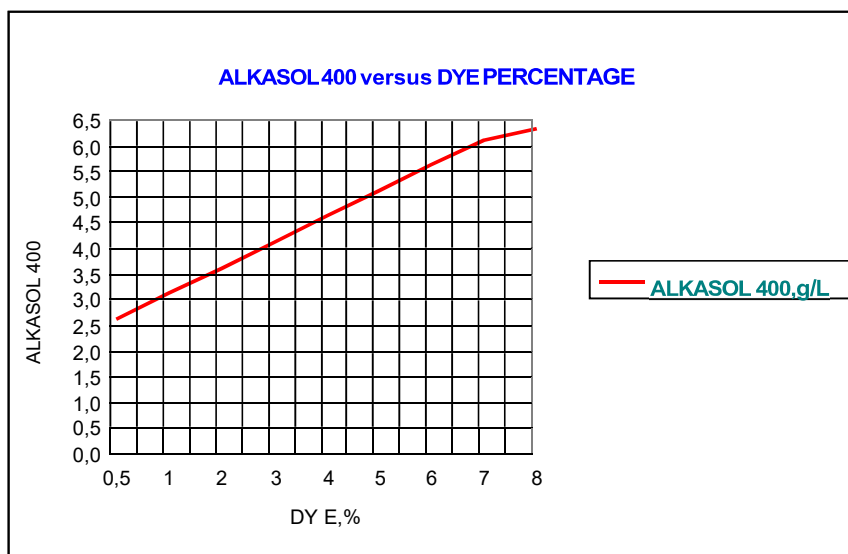
In conventional reactive dyeing, Na ion is supplied by salt and soda ash. Since amount of **ALKASOL 400** is comparatively one quarter of Na_2CO_3 , hence sodium ion quantity is also diminished accordingly. In order to compensate Na ion deficiency salt amount is increased by 10 %.

In bulk dyeing, **ALKASOL 400** is increased by 20 % of Lab recipe amount.

Exhaust Dyeing (Jet, Overflow, Package Dyeing)

Since sodium ion, introduced by **ALKASOL 400** is rather reduced as compared to Sodium Carbonate, NaCl amount is increased by 25 % to compensate this deficiency and to match the shade more safely.

General application amount for **ALKASOL 400** is 2,5 - 5,5 % .





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Package and Storage: 25 kg / 40 kg Bag

Waterproof , anti-extrusion, pilling up layer not more than 8 tier ,

The temperature not more than 35 C , put in the cool place storage for
18 months.



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